

Containers and Telcos - Ready to tango?

<https://marketpublishers.com/r/CB4EC0EE76EEN.html>

Date: June 2019

Pages: 127

Price: US\$ 4,695.00 (Single User License)

ID: CB4EC0EE76EEN

Abstracts

In theory, the value-proposition of containers is crystal clear - ridding the network function of the unwanted overheads of the VM, providing exceptional levels of functional fine-graining through microservices and extracting the fullest from the underlying computing infrastructure by taking the bare metal route of deployment.

In practice however, these seemingly straightforward considerations are exerted to a sustained onslaught by the combined forces of telco-inertia, apprehension and genuine concerns surrounding performance and product-readiness. This potent combination of almost equally poised positives and challenges makes the CNF landscape a very exciting and intriguing landscape to forecast.

Another aspect that needs to be understood in the context of CNFs is that this market will not add to the lure of VNFs. Quite to the contrary, it will cannibalize the VNFs. In essence, CNFs can be looked upon as an outcome of the telco disillusionment with VNFs to an extent.

Cloud native network functions (CNF) market forecast

Chapters two and three will explore the interrelationship between NFV and containers, highlighting the drivers and challenges for containers. Chapters four and five will examine the initiatives of vendors and telcos.

Chapter six covers quantitative forecasts. It covers fourteen CNFs – load balancing, routing, switching, IP multimedia subsystem (IMS), evolved packet core (EPC), radio access network (RAN), session border controller (SBC), customer premise equipment (CPE), domain name server (DNS), firewall, IPsec, voice over IP (VoIP) and testing.

Individual CNF market is broken down by container morphology, implementation

methodology and geographical region.

Container morphology includes provisioning and runtime; orchestration; and application deployment. Implementation methodology includes VM and bare metal. Geographical regions include North America (NA); Europe Middle East and Africa (EMEA); Asia Pacific (APAC); and Caribbean and Latin America (CALA).

Contents

1 EXECUTIVE SUMMARY

- 1.1 CNFs, NFV and their Connection
- 1.2 Love-Hate Relationship of CNFs and NFV
- 1.3 Report Organization and Market Forecast Taxonomy

2 NFV AND CONTAINERS

- 2.1 What are Containers?
- 2.2 Microservices
- 2.3 Container Morphology
 - 2.3.1 Provisioning and Run-time Management Block
 - 2.3.1.1 Docker Engine
 - 2.3.2 Orchestration Block
 - 2.3.2.1 Kubernetes
 - 2.3.3 Application Deployment Block
- 2.4 Deployment Methodologies
 - 2.4.1.1 Virtual Machine (VM)
 - 2.4.1.2 Bare Metal
 - 2.4.1.3 Cloud or Container as-a-Service (CaaS)
- 2.5 Stateful and Stateless Containers
- 2.6 CNCF and CNFs
- 2.7 NFV -The Other Pole
 - 2.7.1 The NFV Progression
 - 2.7.2 History of NFV
 - 2.7.3 NFV architecture
 - 2.7.3.1 VNF/i/NFVi
 - 2.7.3.2 VNFs
 - 2.7.3.3 MANO
- 2.8 NFV and CNF
 - 2.8.1 ONAP and CNFs

3 NFV USE-CASES AND CONTAINERS

- 3.1 Contrasting CNF and VNFs
- 3.2 Advantage CNF
 - 3.2.1 Freedom from Hypervisors

- 3.2.2 File-level Resource Management
- 3.2.3 Portability
- 3.2.4 Microservices-powered Scalability and Granularity
- 3.2.5 Quick Operationalization
- 3.2.6 Quick Orchestration with a Caveat
- 3.2.7 Containers and 5G
- 3.3 Limitations of Containers
 - 3.3.1 Familiarity with VMs
 - 3.3.2 Telco Demands
 - 3.3.3 Latency
 - 3.3.4 Security
 - 3.3.5 Flexibility
 - 3.3.6 Hardware Enhancements
 - 3.3.7 Co-existence with PNFs and VNFs
- 3.4 Implications of CNFs for Specific Use-Cases
 - 3.4.1 RAN
 - 3.4.2 EPC

4 SOLUTION PROVIDER PROFILES

- 4.1 Provisioners and Run-time Management
- 4.2 Orchestration Management
- 4.3 Application Deployment Management
- 4.4 Case Study – Ericsson
 - 4.4.1 Introduction
 - 4.4.2 Roadmap
 - 4.4.3 Cloud Native Application (CNA)
 - 4.4.4 Evolution and Perspective
- 4.5 Case Study – Nokia
 - 4.5.1 Introduction
 - 4.5.2 Cloud Packet Core
 - 4.5.3 Telecom Application Server
 - 4.5.4 Nuage VSP
 - 4.5.5 Tempering Optimism with Pragmatism
- 4.6 Company Profiles
- 4.7 6wind
 - 4.7.1 CNF Initiatives
- 4.8 Aarna
 - 4.8.1 CNF Initiatives

- 4.9 Adva
 - 4.9.1 CNF Initiatives
- 4.1 Affirmed Network
 - 4.10.1 CNF Initiatives
- 4.11 Amarisoft
 - 4.11.1 CNF Initiatives
- 4.12 Amartus
 - 4.12.1 CNF Initiatives
- 4.13 Amdocs
 - 4.13.1 CNF Initiatives
- 4.14 Anuta
 - 4.14.1 CNF Initiatives
- 4.15 Aricent/Altran
 - 4.15.1 CNF Initiatives
- 4.16 Avi Networks
 - 4.16.1 CNF Initiatives
- 4.17 Barefoot Networks
 - 4.17.1 CNF Initiatives
- 4.18 Calsoft
 - 4.18.1 CNF Initiatives
- 4.19 Canonical/Ubuntu
 - 4.19.1 CNF Initiatives
- 4.2 Ciena
 - 4.20.1 CNF Initiatives
- 4.21 Cisco
 - 4.21.1 CNF Initiatives
- 4.22 Cloudify
 - 4.22.1 CNF Initiatives
- 4.23 Core Network Dynamics (CND)
 - 4.23.1 CNF Initiatives
- 4.24 Cplane.ai
 - 4.24.1 CNF Initiatives
- 4.25 Cumulus
 - 4.25.1 CNF Initiatives
- 4.26 Dell Technologies
 - 4.26.1 CNF Initiatives
- 4.27 Enea
 - 4.27.1 CNF Initiatives
- 4.28 F5 Networks

- 4.28.1 CNF Initiatives
- 4.29 Fortinet
 - 4.29.1 CNF Initiatives
- 4.3 Huawei
 - 4.30.1 CNF Initiatives
- 4.31 Intel
 - 4.31.1 CNF Initiatives
- 4.32 Juniper
 - 4.32.1 CNF Initiatives
- 4.33 Lumina Networks
 - 4.33.1 CNF Initiatives
- 4.34 Mavenir
 - 4.34.1 CNF Initiatives
- 4.35 Mellanox
 - 4.35.1 CNF Initiatives
- 4.36 Metaswitch
 - 4.36.1 CNF Initiatives
- 4.37 NEC
 - 4.37.1 CNF Initiatives
- 4.38 Netrounds
 - 4.38.1 CNF Initiatives
- 4.39 Radisys
 - 4.39.1 CNF Initiatives
- 4.4 Red Hat
 - 4.40.1 CNF Initiatives
- 4.41 Tigera
 - 4.41.1 CNF Initiatives
- 4.42 VMware
 - 4.42.1 CNF Initiatives
- 4.43 ZTE
 - 4.43.1 CNF Initiatives

5 TELCO PROFILES

- 5.1 The NFV and CNF Conundrum
- 5.2 Case Study- Rakuten
 - 5.2.1 The All-out Cloud Native Approach
- 5.3 Case Study – CenturyLink
 - 5.3.1 Early Adopter of Virtualization

- 5.3.2 Cautious Approach to CNFs
- 5.4 Telco Profiles
- 5.5 Airtel
 - 5.5.1 CNF Initiatives
- 5.6 AT&T
 - 5.6.1 CNF Initiatives
- 5.7 BT
 - 5.7.1 CNF Initiatives
- 5.8 CableLabs
 - 5.8.1 CNF Initiatives
- 5.9 China Mobile
 - 5.9.1 CNF Initiatives
- 5.1 China Telecom
 - 5.10.1 CNF Initiatives
- 5.11 China Unicom
 - 5.11.1 CNF Initiatives
- 5.12 Deutsche Telekom
 - 5.12.1 CNF Initiatives
- 5.13 NTT DoCoMo
 - 5.13.1 CNF Initiatives
- 5.14 Orange
 - 5.14.1 CNF Initiatives
- 5.15 SK Telecom
 - 5.15.1 CNF Initiatives
- 5.16 Swisscom
 - 5.16.1 CNF Initiatives
- 5.17 Telefonica
 - 5.17.1 CNF Initiatives
- 5.18 Telenor
 - 5.18.1 CNF Initiatives
- 5.19 Telia
 - 5.19.1 CNF Initiatives
- 5.2 Turkcell
 - 5.20.1 CNF Initiatives
- 5.21 Verizon
 - 5.21.1 CNF Initiatives
 - 5.21.2 CNF Initiatives
- 5.22 Vodafone
 - 5.22.1 CNF Initiatives

5.22.2 CNF Initiatives

6 QUANTITATIVE FORECASTS

6.1 Research Methodology and Forecast Taxonomy

6.1.1 Forecast Taxonomy

6.2 Container Morphology

6.3 Deployment Methodologies

6.4 Regional Markets

6.5 Breakdown by CNF

6.5.1 Load Balancing CNF

6.5.1.1 Breakdown by Container Morphology

6.5.1.2 Breakdown by Deployment Methodology

6.5.1.3 Breakdown by Geographical Region

6.5.2 Routing CNF

6.5.2.1 Breakdown by Container Morphology

6.5.2.2 Breakdown by Deployment Methodology

6.5.2.3 Breakdown by Geographical Region

6.5.3 Switching CNF

6.5.3.1 Breakdown by Container Morphology

6.5.3.2 Breakdown by Deployment Methodology

6.5.3.3 Breakdown by Geographical Region

6.5.4 IMS CNF

6.5.4.1 Breakdown by Container Morphology

6.5.4.2 Breakdown by Deployment Methodology

6.5.4.3 Breakdown by Geographical Region

6.5.5 EPC CNF

6.5.5.1 Breakdown by Container Morphology

6.5.5.2 Breakdown by Deployment Methodology

6.5.5.3 Breakdown by Geographical Region

6.5.6 RAN CNF

6.5.6.1 Breakdown by Container Morphology

6.5.6.2 Breakdown by Deployment Methodology

6.5.6.3 Breakdown by Geographical Region

6.5.7 SBC CNF

6.5.7.1 Breakdown by Container Morphology

6.5.7.2 Breakdown by Deployment Methodology

6.5.7.3 Breakdown by Geographical Region

6.5.8 CPE CNF

- 6.5.8.1 Breakdown by Container Morphology
- 6.5.8.2 Breakdown by Deployment Methodology
- 6.5.8.3 Breakdown by Geographical Region
- 6.5.9 Gateway CNF
 - 6.5.9.1 Breakdown by Container Morphology
 - 6.5.9.2 Breakdown by Deployment Methodology
 - 6.5.9.3 Breakdown by Geographical Region
- 6.5.10 DNS CNF
 - 6.5.10.1 Breakdown by Container Morphology
 - 6.5.10.2 Breakdown by Deployment Methodology
 - 6.5.10.3 Breakdown by Geographical Region
- 6.5.11 Firewall CNF
 - 6.5.11.1 Breakdown by Container Morphology
 - 6.5.11.2 Breakdown by Deployment Methodology
 - 6.5.11.3 Breakdown by Geographical Region
- 6.5.12 IPsec CNF
 - 6.5.12.1 Breakdown by Container Morphology
 - 6.5.12.2 Breakdown by Deployment Methodology
 - 6.5.12.3 Breakdown by Geographical Region
- 6.5.13 VoIP CNF
 - 6.5.13.1 Breakdown by Container Morphology
 - 6.5.13.2 Breakdown by Deployment Methodology
 - 6.5.13.3 Breakdown by Geographical Region
- 6.5.14 Testing CNF
 - 6.5.14.1 Breakdown by Container Morphology
 - 6.5.14.2 Breakdown by Deployment Methodology
 - 6.5.14.3 Breakdown by Geographical Region

7 GLOSSARY AND ACRONYMS

List Of Tables

LIST OF TABLES

Table 1-1: Global Market for Containers and Microservices in CNFs, 2019-2025 (\$ million)

Table 6-1: Global Market for Containers and Microservices in CNFs, by Container Morphology 2019-2025 (\$ million)

Table 6-2: Global Market for Containers and Microservices in CNFs, by Deployment Methodology 2019-2025 (\$ million)

Table 6-3: Global Market for Containers and Microservices in CNFs, by Region 2019-2025 (\$ million)

Table 6-4: Global Market for Containers and Microservices in Load-Balancing CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-5: Global Market for Containers and Microservices in Load-Balancing CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-6: Global Market for Containers and Microservices in Load-Balancing CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-7: Global Market for Containers and Microservices in Routing CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-8: Global Market for Containers and Microservices in Routing CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-9: Global Market for Containers and Microservices in Routing CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-10: Global Market for Containers and Microservices in Switching CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-11: Global Market for Containers and Microservices in Switching CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-12: Global Market for Containers and Microservices in Switching CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-13: Global Market for Containers and Microservices in IMS CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-14: Global Market for Containers and Microservices in IMS CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-15: Global Market for Containers and Microservices in IMS CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-16: Global Market for Containers and Microservices in EPC CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-17: Global Market for Containers and Microservices in EPC CNFs, Breakdown

by Deployment Methodology 2019-2025 (\$ million)

Table 6-18: Global Market for Containers and Microservices in EPC CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-19: Global Market for Containers and Microservices in RAN CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-20: Global Market for Containers and Microservices in RAN CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-21: Global Market for Containers and Microservices in RAN CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-22: Global Market for Containers and Microservices in SBC CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-23: Global Market for Containers and Microservices in SBC CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-24: Global Market for Containers and Microservices in SBC CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-25: Global Market for Containers and Microservices in CPE CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-26: Global Market for Containers and Microservices in CPE CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-27: Global Market for Containers and Microservices in CPE CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-28: Global Market for Containers and Microservices in Gateway CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-29: Global Market for Containers and Microservices in Gateway CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-30: Global Market for Containers and Microservices in Gateway CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-31: Global Market for Containers and Microservices in DNS CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-32: Global Market for Containers and Microservices in DNS CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-33: Global Market for Containers and Microservices in DNS CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-34: Global Market for Containers and Microservices in Firewall CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-35: Global Market for Containers and Microservices in Firewall CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-36: Global Market for Containers and Microservices in Firewall CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-37: Global Market for Containers and Microservices in IPsec CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-38: Global Market for Containers and Microservices in IPsec CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-39: Global Market for Containers and Microservices in IPsec CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-40: Global Market for Containers and Microservices in VoIP CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-41: Global Market for Containers and Microservices in VoIP CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-42: Global Market for Containers and Microservices in VoIP CNFs, Breakdown by Region 2019-2025 (\$ million)

Table 6-43: Global Market for Containers and Microservices in Testing CNFs, Breakdown by Container Morphology 2019-2025 (\$ million)

Table 6-44: Global Market for Containers and Microservices in Testing CNFs, Breakdown by Deployment Methodology 2019-2025 (\$ million)

Table 6-45: Global Market for Containers and Microservices in Testing CNFs, Breakdown by Region 2019-2025 (\$ million)

List Of Figures

LIST OF FIGURES

Figure 2-1: Interactive Cloud Native Technology Developer Landscape from CNCF

Figure 3-1: VNF versus CNF Stacks

Figure 3-2: Containers and VMs

Figure 4-1: Cloud Infrastructure Requirements

Figure 4-2: NFVI Evolution

Figure 4-3: Pods, Containers and Microservices in Contrail SDN Controller

Figure 4-4: Microservices in Lumina Extension and Adaptation Platform (LEAP)

Figure 6-1: CNF technology market forecast taxonomy

Figure 6-2: Share Distribution in Global Market for Containers and Microservices in CNFs, By Container Morphology 2019-2025 (%)

Figure 6-3: Share Distribution in Global Market for Containers and Microservices in CNFs, By Deployment Methodology 2019-2025 (%)

Figure 6-4: Share Distribution in Global Market for Containers and Microservices in CNFs, By Region 2019-2025 (%)

Figure 6-5: Share Distribution in Global Market for Containers and Microservices In Load-Balancing CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-6: Share Distribution in Global Market for Containers and Microservices In Load-Balancing CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-7: Share Distribution in Global Market for Containers and Microservices In Load-Balancing CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-8: Share Distribution in Global Market for Containers and Microservices In Routing CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-9: Share Distribution in Global Market for Containers and Microservices In Routing CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-10: Share Distribution in Global Market for Containers and Microservices In Routing CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-11: Share Distribution in Global Market for Containers and Microservices In Switching CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-12: Share Distribution in Global Market for Containers and Microservices In Switching CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-13: Share Distribution in Global Market for Containers and Microservices In Switching CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-14: Share Distribution in Global Market for Containers and Microservices In IMS CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-15: Share Distribution in Global Market for Containers and Microservices In

IMS CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-16: Share Distribution in Global Market for Containers and Microservices In IMS CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-17: Share Distribution in Global Market for Containers and Microservices In EPC CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-18: Share Distribution in Global Market for Containers and Microservices In EPC CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-19: Share Distribution in Global Market for Containers and Microservices In EPC CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-20: Share Distribution in Global Market for Containers and Microservices In RAN CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-21: Share Distribution in Global Market for Containers and Microservices In RAN CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-22: Share Distribution in Global Market for Containers and Microservices In RAN CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-23: Share Distribution in Global Market for Containers and Microservices In SBC CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-24: Share Distribution in Global Market for Containers and Microservices In SBC CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-25: Share Distribution in Global Market for Containers and Microservices In SBC CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-26: Share Distribution in Global Market for Containers and Microservices In CPE CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-27: Share Distribution in Global Market for Containers and Microservices In CPE CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-28: Share Distribution in Global Market for Containers and Microservices In CPE CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-29: Share Distribution in Global Market for Containers and Microservices In Gateway CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-30: Share Distribution in Global Market for Containers and Microservices In Gateway CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-31: Share Distribution in Global Market for Containers and Microservices In Gateway CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-32: Share Distribution in Global Market for Containers and Microservices In DNS CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-33: Share Distribution in Global Market for Containers and Microservices In DNS CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-34: Share Distribution in Global Market for Containers and Microservices In DNS CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-35: Share Distribution in Global Market for Containers and Microservices In Firewall CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-36: Share Distribution in Global Market for Containers and Microservices In Firewall CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-37: Share Distribution in Global Market for Containers and Microservices In Firewall CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-38: Share Distribution in Global Market for Containers and Microservices In IPsec CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-39: Share Distribution in Global Market for Containers and Microservices In IPsec CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-40: Share Distribution in Global Market for Containers and Microservices In IPsec CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-41: Share Distribution in Global Market for Containers and Microservices In VoIP CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-42: Share Distribution in Global Market for Containers and Microservices In VoIP CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-43: Share Distribution in Global Market for Containers and Microservices In VoIP CNFs, Breakdown by Region 2019-2025 (%)

Figure 6-44: Share Distribution in Global Market for Containers and Microservices In Testing CNFs, Breakdown by Container Morphology 2019-2025 (%)

Figure 6-45: Share Distribution in Global Market for Containers and Microservices In Testing CNFs, Breakdown by Deployment Methodology 2019-2025 (%)

Figure 6-46: Share Distribution in Global Market for Containers and Microservices In Testing CNFs, Breakdown by Region 2019-2025 (%)

I would like to order

Product name: Containers and Telcos - Ready to tango?

Product link: <https://marketpublishers.com/r/CB4EC0EE76EEN.html>

Price: US\$ 4,695.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CB4EC0EE76EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970